

**Appendix table 6-9.**  
**Federal obligations for academic research, by agency: 1970-99**

Year	All agencies	National Institutes of Health <sup>a</sup>	National Science Foundation	Department of Defense	National Aeronautics & Space Administration	Department of Energy <sup>b</sup>	Department of Agriculture	All other agencies
<b>Millions of current dollars</b>								
1970 .....	1,276	480	223	173	65	97	65	174
1971 .....	1,430	551	254	184	70	90	72	210
1972 .....	1,643	677	346	177	48	81	87	226
1973 .....	1,691	749	370	161	80	79	94	158
1974 .....	1,958	1,004	369	167	85	86	94	153
1975 .....	2,079	1,036	420	165	91	112	108	148
1976 .....	2,250	1,138	429	192	98	116	119	158
1977 .....	2,584	1,269	505	221	105	134	139	211
1978 .....	2,928	1,437	534	243	116	175	181	241
1979 .....	3,333	1,657	612	271	125	204	198	266
1980 .....	3,699	1,835	680	313	146	224	214	287
1981 .....	3,920	1,929	698	363	157	248	240	284
1982 .....	4,045	1,995	713	413	156	236	253	280
1983 .....	4,468	2,246	783	472	170	273	273	250
1984 .....	5,030	2,573	880	539	177	311	260	290
1985 .....	5,726	2,990	1,002	587	213	336	292	305
1986 .....	5,883	3,054	992	707	225	334	273	298
1987 .....	6,640	3,651	1,096	681	263	372	279	298
1988 .....	7,023	3,856	1,143	729	310	384	304	297
1989 .....	7,793	4,167	1,254	840	387	437	326	382
1990 .....	8,137	4,349	1,321	795	422	479	346	426
1991 .....	8,868	4,729	1,436	794	474	596	384	456
1992 .....	9,061	4,517	1,540	912	512	605	436	538
1993 .....	9,892	5,253	1,562	1,090	539	547	429	472
1994 .....	10,292	5,517	1,680	1,079	555	529	436	496
1995 .....	10,354	5,481	1,734	1,047	588	558	431	516
1996 .....	10,707	5,924	1,740	1,071	560	566	373	471
1997 .....	11,173	6,309	1,819	945	596	552	437	515
1998 (est.) .....	11,815	6,775	1,908	933	596	550	449	604
1999 (est.) .....	12,721	7,304	2,150	1,083	596	553	400	636
<b>Millions of constant 1992 dollars<sup>c</sup></b>								
1970 .....	4,265	1,605	746	576	219	323	216	580
1971 .....	4,545	1,750	806	585	223	285	228	668
1972 .....	4,983	2,054	1,050	536	146	246	265	686
1973 .....	4,913	2,176	1,076	466	234	229	274	459
1974 .....	5,306	2,721	1,000	452	230	232	256	415
1975 .....	5,106	2,544	1,031	405	223	275	264	363
1976 .....	5,154	2,607	982	439	224	266	273	363
1977 .....	5,500	2,701	1,074	470	224	285	296	450
1978 .....	5,823	2,858	1,062	483	231	348	361	480
1979 .....	6,123	3,044	1,125	498	230	374	364	488
1980 .....	6,240	3,095	1,147	527	246	378	362	484
1981 .....	6,020	2,963	1,072	557	241	381	369	437
1982 .....	5,802	2,861	1,023	592	224	338	363	402
1983 .....	6,126	3,080	1,074	647	233	375	374	343
1984 .....	6,639	3,396	1,162	711	233	411	343	383
1985 .....	7,307	3,816	1,278	749	272	429	373	390
1986 .....	7,300	3,789	1,230	878	279	415	339	370
1987 .....	8,007	4,402	1,322	821	317	448	337	360
1988 .....	8,184	4,494	1,333	849	361	448	355	346
1989 .....	8,713	4,659	1,402	939	433	489	365	428
1990 .....	8,735	4,668	1,418	854	453	514	371	457
1991 .....	9,128	4,868	1,478	817	488	613	395	469
1992 .....	9,061	4,517	1,540	912	512	605	436	538
1993 .....	9,638	5,118	1,522	1,062	525	533	418	460
1994 .....	9,790	5,249	1,598	1,026	528	503	414	472
1995 .....	9,618	5,091	1,610	973	546	518	401	479
1996 .....	9,755	5,398	1,585	976	510	516	340	430
1997 .....	9,991	5,641	1,627	845	533	494	390	461
1998 (est.) .....	10,440	5,987	1,686	825	527	486	397	533
1999 (est.) .....	11,097	6,372	1,875	944	520	482	349	555

See explanatory notes, if any, and SOURCE at end of table.

**Appendix table 6-9.**  
**Federal obligations for academic research, by agency: 1970–99**

Year	All agencies	National Institutes of Health <sup>a</sup>	National Science Foundation	Department of Defense	National Aeronautics & Space Administration	Department of Energy <sup>b</sup>	Department of Agriculture	All other agencies
<b>Percentages by agency</b>								
1970 .....	100.0	37.6	17.5	13.5	5.1	7.6	5.1	13.6
1971 .....	100.0	38.5	17.7	12.9	4.9	6.3	5.0	14.7
1972 .....	100.0	41.2	21.1	10.8	2.9	4.9	5.3	13.8
1973 .....	100.0	44.3	21.9	9.5	4.8	4.7	5.6	9.3
1974 .....	100.0	51.3	18.8	8.5	4.3	4.4	4.8	7.8
1975 .....	100.0	49.8	20.2	7.9	4.4	5.4	5.2	7.1
1976 .....	100.0	50.6	19.1	8.5	4.3	5.2	5.3	7.0
1977 .....	100.0	49.1	19.5	8.6	4.1	5.2	5.4	8.2
1978 .....	100.0	49.1	18.2	8.3	4.0	6.0	6.2	8.2
1979 .....	100.0	49.7	18.4	8.1	3.8	6.1	5.9	8.0
1980 .....	100.0	49.6	18.4	8.5	3.9	6.1	5.8	7.8
1981 .....	100.0	49.2	17.8	9.3	4.0	6.3	6.1	7.3
1982 .....	100.0	49.3	17.6	10.2	3.9	5.8	6.3	6.9
1983 .....	100.0	50.3	17.5	10.6	3.8	6.1	6.1	5.6
1984 .....	100.0	51.2	17.5	10.7	3.5	6.2	5.2	5.8
1985 .....	100.0	52.2	17.5	10.3	3.7	5.9	5.1	5.3
1986 .....	100.0	51.9	16.9	12.0	3.8	5.7	4.6	5.1
1987 .....	100.0	55.0	16.5	10.3	4.0	5.6	4.2	4.5
1988 .....	100.0	54.9	16.3	10.4	4.4	5.5	4.3	4.2
1989 .....	100.0	53.5	16.1	10.8	5.0	5.6	4.2	4.9
1990 .....	100.0	53.4	16.2	9.8	5.2	5.9	4.2	5.2
1991 .....	100.0	53.3	16.2	9.0	5.4	6.7	4.3	5.1
1992 .....	100.0	49.9	17.0	10.1	5.6	6.7	4.8	5.9
1993 .....	100.0	53.1	15.8	11.0	5.4	5.5	4.3	4.8
1994 .....	100.0	53.6	16.3	10.5	5.4	5.1	4.2	4.8
1995 .....	100.0	52.9	16.7	10.1	5.7	5.4	4.2	5.0
1996 .....	100.0	55.3	16.3	10.0	5.2	5.3	3.5	4.4
1997 .....	100.0	56.5	16.3	8.5	5.3	4.9	3.9	4.6
1998 (est.) .....	100.0	57.3	16.2	7.9	5.0	4.7	3.8	5.1
1999 (est.) .....	100.0	57.4	16.9	8.5	4.7	4.3	3.1	5.0

NOTES: Percentages may not total 100 because of rounding. Academic research includes basic research and applied research.

<sup>a</sup>Data for the National Institutes of Health include the Alcohol, Drug Abuse, and Mental Health Administration.

<sup>b</sup>Data for 1970 to 1973 are for the Atomic Energy Commission; data for 1974 to 1976 are for the Energy Research and Development Administration; data for 1977 and thereafter are for the U.S. Department of Energy.

<sup>c</sup>See appendix table 2-1 for gross domestic product implicit price deflators used to convert current dollars to constant 1992 dollars.

SOURCES: National Science Foundation, Division of Science Resources Studies (NSF/SRS), *Federal Funds for Research and Development: Fiscal Years 1997, 1998, and 1999*, Detailed Statistical Tables, Vol. 47, NSF 99-333 (Arlington, VA: 1999); and NSF, annual series.

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